

JC07 Rec'd PCT/PTO 29 APR 2005

#4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
J. Hawkes, et al.) GROUP ART UNIT: unknown
Serial No.: 10/527,887) EXAMINER: unknown
Filed: March 15, 2005)
For: APPARATUS FOR DIRECTING)
PARTICLES IN A FLUID)

April 26, 2005
Attorney Docket No. 41577/313584

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner of Patents and Trademarks, Alexandria, VA 22313-1450, on APRIL 26, 2005
Don W. Krumm
Signature

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98,
Applicants identify the materials listed below and on the form
accompanying this submission:

U.S. PATENTS

<u>Number</u>	<u>Inventors</u>	<u>Date</u>
5,626,767	Trampler, et al.	May 6, 1997
5,225,089	Benes, et al.	July 6, 1993

NON-U.S. PATENT DOCUMENTS

<u>Number</u>	<u>Country/Region</u>	<u>Date</u>
0633049	Europe (EPO)	January 11, 1995
0380194	Europe (EPO)	August 1, 1990

OTHER MATERIALS

J. Hawkes, et al., "Single half-wavelength ultrasonic particle filter: Predictions of the transfer matrix multilayer resonator model and experimental filtration results," J. Acoust. Soc. Am. 111 (3), pp. 1259-1266, March 2002.

J. Hawkes, et al., "Force field particle filter, combining ultrasound standing waves and laminar flow," Sensors and Actuators, B75, pp. 213-222, 2001.

Z. Mandralis, et al., "Enhanced synchronized ultrasonic and flow-field fractionation of suspensions," Ultrasonics, Vol. 32, No. 2, pp. 113-121, 1994.

Copies of the listed materials (other than U.S. patents) are enclosed. Applicants do not concede that the identified materials, or any of them, constitute prior art within the meaning of the United States patent laws.

Applicants are submitting this paper within three months of the filing of the application and before receipt of an Office Action concerning the merits of the invention claimed in the application and accordingly believe no fee is due. See 37 C.F.R. § 1.97(b). However, if Applicants' beliefs are mistaken, the Assistant Commissioner is authorized to debit deposit account No. 11-0855 for any such fee presently due.

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Respectfully submitted,



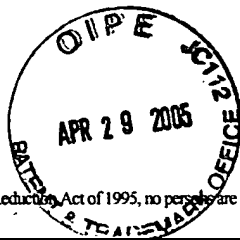
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<i>Application Number</i>	10/527,887
<i>Filing Date</i>	March 15, 2005
<i>First Named Inventor</i>	J. Hawkes, et al.
<i>Art Unit</i>	Unknown
<i>Examiner Name</i>	Unknown
<i>Attorney Docket Number</i>	41577/313584

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/527,887
Filing Date	March 15, 2005
First Named Inventor	J. Hawkes, et al.
Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	41577/313584

Sheet 2 of 2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		J. Hawkes, et al., "Single half-wavelength ultrasonic particle filter: Predictions of the transfer matrix multiplayer resonator model and experimental filtration results," J. Acoust. Soc. Am. 111 (3), pp. 1259-1266, March 2002.	
		J. Hawkes, et al., "Force Field particle filter, combining ultrasound standing waves and laminar flow," Sensors and Actuators, B75, pp. 213-222, 2001.	
		Z. Mandralis, et al., "Enhanced synchronized ultrasonic and flow-field fractionation of suspensions," Ultrasonics, Vol. 32, No. 2, pp. 113-121, 1994.	

Examiner
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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